



**United States of America**  
**FEDERAL COMMUNICATIONS COMMISSION**  
**AM BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

SALEM MEDIA OF MASSACHUSETTS, LLC  
 4880 SANTA ROSA ROAD  
 CAMARILLO CA 93012

Son Nguyen  
 Supervisory Engineer  
 Audio Division  
 Media Bureau

Grant Date: May 30, 1995

Facility Id: 28630

Call Sign: WYLL

This license expires 3:00 a.m.  
 local time, December 01, 2004.

License File Number: BL-19930420AC

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:  
 Local Standard Time (Non-Advanced)

Jan.	7:15 AM	4:45 PM	Jul.	4:30 AM	7:30 PM
Feb.	6:45 AM	5:30 PM	Aug.	5:00 AM	7:00 PM
Mar.	6:00 AM	6:00 PM	Sep.	5:30 AM	6:00 PM
Apr.	5:15 AM	6:30 PM	Oct.	6:00 AM	5:15 PM
May	4:30 AM	7:00 PM	Nov.	6:45 AM	4:30 PM
Jun.	4:15 AM	7:30 PM	Dec.	7:15 AM	4:15 PM

Callsign: WYLL

License No.: BL-19930420AC

Name of Licensee: SALEM MEDIA OF MASSACHUSETTS, LLC

Station Location: CHICAGO, IL

Frequency (kHz): 1160

Station Class: B

Antenna Coordinates:

Day

Latitude: N 42 Deg 02 Min 30 Sec

Longitude: W 87 Deg 51 Min 57 Sec

Night

Latitude: N 42 Deg 02 Min 30 Sec

Longitude: W 87 Deg 51 Min 57 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 50.0 Night: 5.0

Antenna Input Power (kW): Day: 52.5 Night: 5.4

Antenna Mode: Day: DA Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 32.4 Night: 10.4

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1009053	
2	1009054	

Night:

Tower No.	ASRN	Overall Height (m)
1	1009053	
2	1009054	
3	1009055	
4	1009056	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 2390 Night: 719.2

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 2550.07 Night: 779.13

Q Factor: Day: 70.7 Night: 22.4

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	93.5
2	0.4900	-111.000	90.0000	135.000	0	93.5

\* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	232.0	60.0	2575.00

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	93.5
2	0.9470	-112.000	90.0000	135.000	0	93.5
3	1.0000	-17.000	68.9000	202.500	0	93.5
4	1.0530	95.000	90.0000	270.000	0	93.5

\* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	120.0	40.0	1420.00
2	193.0	60.0	775.00
3	220.1	44.0	252.00
4	253.0	44.0	80.00
5	273.0	30.0	85.00
6	288.5	30.0	46.20

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
7	310.0	40.0	53.00
8	335.0	70.0	100.00
9	355.5	90.0	155.00

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	-107	0.305

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	
2	-107.5	
3	-36.4	
4	80	

Type of Precision Antenna Monitor: PMA-19 ADAPTOR ANTENNA MONITOR

Night

Twr. No.	Sample Current Deviation Attenuator Values %
1	0
2	0
3	0
4	0

Operating Variations:

Phase Indications shall not deviate more than  $[\pm 1.5]$  degrees from the above values.

Base current ratios shall not deviate more than  $[\pm 5]$  percent from the above values.

Sample current ratios shall not deviate more than  $[\pm 2]$  percent from the above values.

Callsign: WYLL

License No.: BL-19930420AC

Antenna Monitor: POTOMAC INSTRUMENTS AM-19 (204)

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
355	2.75	374

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
273	4.14	
288.5	4.28	
355	2.75	

\*\*\* END OF AUTHORIZATION \*\*\*